

turn to her and her six-month-old daughter.

In an instant all Britain was in action, as had been the little station in the Hebrides. The Admiralty despatched fast destroyers after the tiny little Danish rescue ship, presently pursuing its course toward Horsens, on the Jutland peninsula, with an important general cargo and two stray aviators; the *Daily Mail* announced a consolation prize of \$25,000, and Mrs. Harry Hawker joyously painted a little placard reading, "Mr. Hawker has been found. He is on the boat Mary, bound for Denmark," so that her neighbors, all friends of the daring and light hearted pilot, might rejoice with her. The rest of Britain could do nothing save rejoice with an enthusiasm rare in a country of normally unmoved Anglo-Saxons.

Travelled 1,000 Knots.

Little meagre details of the flight, if unsuccessful, ending of a great venture came flashing through the air from the lonely Hebrides and from the destroyers fast overtaking the slow moving little cargo boat carrying the heroes inexorably toward Denmark.

Apparently a thousand nautical miles of the 1,700 in the gap of water between Newfoundland and Ireland were covered by Hawker at the dizzying speed that only an airplane of all man's works can maintain. The *Maiden* of Harry Hawker kept the nose of his craft firmly bent toward the green island he hoped to see rise out of the water on the Monday morning or afternoon after some twenty hours of hurtling flight. The skill of Commander Grieve, his navigator, kept the pilot informed of the compass course to follow, although somehow, probably by the unexpected strength of a wind from the south, the aviators bore a little more to the north than they had originally intended.

In their opinion probably the critical period of the flight—the hours over the chill of drifting icebergs off Newfoundland, with an overburdened plane and a laboring, unwarmed motor, was over when the first warnings of disaster came to the quick ear of Hawker, chief test pilot of the Sopwith company and a man who could tell a motor's trouble by a single discordant note in the great roaring symphony of a powerful, complicated engine. The motor was overheating.

Further listening and inspection—always with one hand firmly on the stick—the slender rod by which the flight of an airplane is directed and the lives of its occupants preserved—showed Hawker that water had stopped flowing in the cooling system of his engine. No longer did the cooling stream pass from the radiator to casings about the hot cylinders of the engine, and then back, forced by a pump, to be cooled again by the rush of air through the many thin tubes of the radiator. This meant the end of the flight, for no motor can run long when its water cooling fails.

Concerning the awful suspense in those minutes after the discovery of the defect, when from far above the two men surveyed the empty ocean into which they were to plunge, concerning their thoughts and actions as, guided by the sure hand of Hawker, the downward glide of the plane inexorably began, a glide of five feet horizontally for every foot of vertical descent, a glide which, presumably, bore them slowly nearer the faintly seen freighter; concerning the final plunge into the waters of the north Atlantic, chilled by the melting of the polar bergs; concerning that agonizing ninety minutes of struggle in the water—concerning all these things—Hawker's message to the *Daily Mail* said nothing.

To Hawker these things were mere incidents in the great adventure; the real thing was that despite the choking of her water supply the Rolls-Royce motor on which he had staked his life roared gallantly until her radiator choked. That to him was the big event in the whole trip—the faithfulness of a thing of steel, not the courage of two men with all the malice of the Atlantic working against them.

Aided by Luck of Carriage.

The very daring of Hawker's attempt to span the Atlantic within the confines of a single day added him in that last hour of flight. To save the wind resistance offered by the wheels and under carriage of his land machine Hawker had dropped them off after gaining the air in Newfoundland—dropped them near the camp of Raynham as a challenge for his rival to come and make a race of it.

The wheels and under carriage of the craft, as it glided down into the water, heaving suddenly into the water, might have thrown the nose of the machine downward, pointing it into a dive from which the two voyagers, in their cockpit between the wings, would have gone deep down into the ocean, probably drowning before the plane, like a drowning man, bobbed upward again. Instead, however, Hawker apparently skillfully skidded onto the water, the smooth surface of the lower

wing opposing no sudden resistance which would throw the plane out of the horizontal.

If Hawker had landed in Ireland or in England the story might have been different. In leaving behind the under carriage he left behind hope of making anything but a "crash" landing. True, the plane, with only the slender lower wing to bear the sudden rough contact with the earth.

Certainly the plane would have been wrecked, but Hawker was matching his skill—still weakened by some twenty or twenty-five hours of constant vigilance, on making the crash so gentle that he and his navigator would not be injured seriously, even though the plane, at landing speed, would be going some forty or fifty miles an hour—railroad express speed.

Details of Rescue Still Unknown.

The circumstances of the rescue, how the Mary, crawling along on a voyage from Norfolk to Horsens, a voyage which already in mid-ocean had taken her some three days, came to be on that spot of all the miles of ocean, how she rescued the aviators by boat or rope, can not be told now. Certain it is, however, that the rescue, the years of seafaring were the master and men of the Mary so stunned by surprise, and even by fear at the sight of an airplane dropping down from the ocean hundreds of miles from land.

The surprise did not overcome entirely their seamanship is seen by the fact that Hawker and Grieve are alive. The Sopwith biplane which had striven so long and so daintily to span the Atlantic was left to sink in its depths, a tragic reminder to man of how easily a little thing like a misplaced bit of solder may overcome his highest hopes and greatest daring.

The rescuing through all Britain—rejoicing which spread as far as Australia—the birthplace of Hawker—was most intense at the little country home of the aviator near Burton. The great joy within, upon which few hundred villagers and later a great crowd of people from further off, who gathered around the house, sometimes shouting, more than the pilot's emotions of delight and thankfulness swept over it.

The Admiralty, after the fleet destroyer *Woolston* had caught up with the little Mary and taken her to the coast, announced officially that the position where the Sopwith sank to the sea was latitude 50.20 North, longitude 29.30 West. This is a few miles from the coast of Ireland, where the *Maiden* and the *Layland* liner *Ninian* reported a few days ago seeing the red light of an airplane. Presumably the flight reported by these ships was the flight of the *Maiden* set off by Hawker or Grieve when the plane first began to flag.

On Board the Revenge.

From the *Woolston* the aviators were transferred to the *Revenge*, flagship of the ships in north of Scotland waters. The welcome extended to Hawker, the man who set off in the face of unfavorable weather conditions the chance of beating the American seaplanes across in a friendly, but no less stern, race, and to his navigator, an officer of the navy, was a very warm one, as he was easily imagined as it will later be described.

Even had the destroyer failed to reach the Mary it is probable that the ship of that name would have been applied fully as to the importance of his visit, for the *Daily Mail* flashed word of all the signal stations within the reach of the cargo boat, which as an enemy understood, lacked a wireless, to boost flag conveying messages of the most fervent, entreaty to the Danish ship to stop at some port and get the help it needed.

In the midst of her thankfulness—joy is hardly the proper word—Mrs. Hawker explained for the information of a people deeply happy to see her, that she had kept up faith in her husband's safety—even on that dreadful Monday evening when long after dark, after many hours of patient waiting at the Brooklands landing field, she had turned silently homeward alone, reading in the eyes of those who had watched with her the opinion that her husband was dead somewhere in the waters between Europe and America.

Casualty All the Time.

"I had a presentiment all along that I should lose my husband," she said. "I was confident all the time, even though all our friends consoled with me. I am overjoyed and too overcome to talk now."

Ever King George, Mrs. Hawker might have added, had sent words of consolation to her, but not even the words of the King could shake the belief of Mrs. Hawker.

There was after the first transports of joy a time almost of sadness among the more thoughtful. They remembered the four other British airplanes preparing for the great flight. These men, even in the face of Hawker's apparent certain death, were prepared to die for their country. But no matter how many others following in the path of Hawker meet disaster and then death all here feel sure that a tiny airplane, soaring high with this year spin a new binding thread across the watery gap of the Atlantic between Britain and her New World colonies.

RESCUE SHIP MARY HAS NO RADIO PLANT

She Left Norfolk, Va., May 4 for Denmark.

The Danish steamship *Mary* has the unique distinction of being the only freighter of the name in Lloyd's Register and also the only *Mary* propelled by steam in American shipping records or the Maritime Register. In keeping track of all steam and sail worth while. She was originally the British freighter *Groveland*, and was built at West Hartlepool eleven years ago.

There is no nautical sentimental record that tells why ships are named and for whom. Perhaps the owner of the *Mary* might tell all about it if a ship news reporter should call on him at Esbjerg, Denmark, on the North Sea. Maybe *Mary* is his wife, perhaps his daughter and possibly his sweetheart. There are five *Maries* in Lloyd's and fourteen *Maries*, but *Mary* is alone in her glory.

Doublet Mrs. Hawker will bless the name of *Mary*, and to her maybe it will suggest that the benevolent Danish freighter might have been named for the Madonna by a religious owner. The *Mary* was not equipped for sea philosophy, however, having no wireless and no more lifeboats than the law requires, and being just a little, single decked ship, trailing in high latitudes to shorten the route and save coal.

Her net tonnage is 1,124 and her length 278 feet, and the name of her skipper, as given in Lloyd's, is Capt. A. Duhn.

HAWKER ALWAYS NOTED FOR LUCK

Took Chances of Death Almost Daily During Career as Machine Tester.

MADE RECORD FLIGHTS

Training Fitted Young Australian for Great Adventure in Small Biplane.

The luck of Harry G. Hawker, which has stayed with him for eight years through the thrills and dangers of his work as an experimental and test pilot, did not desert him when he came to the crucial moment of his career. During his term of service with the Sopwith company Hawker took chances with his life half a dozen times a day that make the average mortal tremble to even think about—and he has never, so far as records show, received any injuries more serious than a few bumps and bruises. And now, when he falls into the Atlantic Ocean hundreds of miles from land, with about one chance in a million of getting out of his trouble alive, the Hawker luck holds good and he bobs up again, safe and sound and with his reputation as a daredevil increased a hundredfold.

But although Hawker was a daredevil aviator, and it wasn't safe to predict any morning that he would fly through the day, he has been canny enough to command a salary that for several years has made him the highest paid air pilot in the world, as well as one of the most skillful. He was a test pilot for the Sopwith Aviation Company and made several flights each day to test the new machines of the Sopwith engineers. For this he got \$125 every time he went into the air and it has been estimated that during the last year alone his average pay averaged more than \$100,000 a year.

Hawker now lives in a very solid comfort at Kingston-on-Thames with his wife and their baby daughter, but when he went to England from Australia eight years ago he was a very poor man, a young mechanic barely twenty years old, able to earn a few shillings a week. When he landed in Britain he knew nothing about airplanes; he hoped to get a job as mechanic in a bicycle shop, making and repairing bicycles. But it was hardly a year before Hawker felt the lure of the air and he abandoned the bicycle industry and got a job as mechanic in the Sopwith aviation works, becoming a pilot a year later.

Would Always Take a Chance.

Even in those days when a man had to be a daredevil, absolutely reckless and unmindful of his life, Hawker soon became noted for his daring. He would attempt to fly anything that would get off the ground and it wasn't long before he began testing the Sopwith planes, taking out experimental machines that none of the other aviators would attempt to handle.

The daring and absolute disregard of possible consequences to himself that characterized Hawker and his air feats are illustrated by a feat which he made at the Sopwith aviation field at Brooklands when he was preparing for his overseas attempt. He conceived the idea of increasing the speed of his airplane by dropping the running and landing gear of the machine, and when the Sopwith experts said he couldn't land with a machine lacking so much of what had been regarded as vital and necessary equipment, Hawker said he would take a machine up and find out. So he had the Sopwith company build him a plane which had a lower attachment by which he could release the landing and running gear. Then he went up, dropped the gear, and despite the fact that a speed of forty miles an hour was necessary to keep the plane in the air at all, he landed with no other damage than a smashed propeller and a cracked wing, and sundry bruises to himself.

Hawker hadn't been flying more than a few months before he began winning the Michelin trophy in 1913 for the longest flight from sunrise to sunset. He was in the air eight hours and twenty-three minutes, beating his nearest rival by forty-five minutes. And it is rather a coincidence that this rival was Fred Raynham, who was Hawker's keenest rival in the dash overseas and whose machine crashed as he was about to take off at St. John's, just after Hawker had started. The next year, in 1913, Hawker and Raynham again met in competition, and again Hawker won, beating Raynham by half a minute in an aerial race across country.

Many Records to His Credit.

Hawker entered the great race around England in 1913, for which the London *Daily Mail* offered a prize of \$25,000, but engine trouble kept him from finishing, although he flew 1,046 miles. He was compelled to land off the Irish coast, near Dublin, and so failed to finish the last 600 miles. That same year Hawker took a plane up to 13,000 feet, carried two passengers to a height of 11,000 feet and three to a height of 9,000 feet, great and important feats in those days of aviation experiments. Two years later he established a British altitude record of 20,000 feet at Hendon and in 1916 a world's altitude record of 28,300 feet, which stood until recently, when it was bettered by Major Schroeder of the United States Army.

But most of Hawker's thrilling stunts are not officially recorded, because they were done as part of the war work and no official time was taken on them. He is known to have made many short flights and experimental trips which have added greatly to his aviation knowledge. Aviators who know Hawker well say he is cool and unassuming, that he has a delightful personality and that he does not know the meaning of the words "nerves" and "fear."

BRITISH SEA FLIER IS BIGGEST OF ALL

SAYS HAWKER MET TERRIFIC STORM

Skipper Tells of Gale That Swept Ocean.

Special Dispatch to The Sun.

ST. JOHN'S, N. F., May 25.—Harry G. Hawker, the intrepid British transatlantic flier, who has gladdened a narrowing world that though him dead, drove his Sopwith plane through (or above) an area in which, were it not for the worst storms present day mariners have encountered in a long span of years. So tempestuous was the blow that whirled directly along the course the rescued flier is known to have followed that the skipper of the *Furness* liner *Glendevon*, in late last night from London, took the trouble to make this notation upon his log:

"So tempestuous that no plane could live through it."

How Hawker did live through that storm is a problem which has not yet been solved to the satisfaction of any of the hundreds of persons who knew him here in the dreary days when

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he was waiting to make the ill fated start on his crossing through the air to Ireland. A fragmentary story of what happened at sea in the extreme northern lane along which Hawker chose to fly was told today by the crew of the *Glendevon*, simultaneously with the receipt of the joyous news that Hawker and his flying companion, Lieutenant Commander Mackenzie Grieve, both were safe and sound aboard the Danish ship which picked them up at sea.

Receipt of the news of Hawker's and Grieve's rescue provoked general rejoicing here, especially among the crew of the British aviators, who have been continuing their preparations to make the aerial crossing. Capt. Frederick P. Raynham, whose flight was held up through the collapse of the under carriage of his Martinsyde plane, and he never had abandoned his opinion that, were he found at all, Hawker would turn up somewhere north of Scotland.

Probably Missed Storm.

He said he felt certain of this because, taken in conjunction with the story of the storm brought in by the crew of the *Glendevon*, it showed the reliability of his and Hawker's deductions regarding probable weather conditions to be encountered in mid-ocean and beyond on the night of Hawker's flight. He said the last weather map Hawker saw before making his memorable hop off from the Newfoundland coast showed storm areas north of the Azores. Apparently, however, the storm which struck them somehow or other, possibly just noosing it out or passing above it, since the skipper of the *Glendevon* and his officers are united in their assertion that the storm was of a mild or little character having passed through them.

The *Glendevon's* log shows the precipitate weather change that sent conditions from "extremely fine" to a "full gale" in the twenty-four hours before the last weather map Hawker saw before making his memorable hop off from the Newfoundland coast showed storm areas north of the Azores. Apparently, however, the storm which struck them somehow or other, possibly just noosing it out or passing above it, since the skipper of the *Glendevon* and his officers are united in their assertion that the storm was of a mild or little character having passed through them.

Got Wireless Message.

Hundreds of messages flashed through the air. Some were distinct and notable, others incoherent. One, thought for a time to have come from the Sopwith, straggled off into incoherence after the *Glendevon* picked up this much: "Airplane, lost, fog, longitude nineteen." Careful study of other messages, however, convinced the *Glendevon's* officers the message could not have come from the Sopwith, since a message from the plane sent out a short time before by the steamship *Sammanger* placed her definitely beyond the longitude indicated in the abbreviated message.

The message from the *Sammanger*, according to the deductions of the *Glendevon's* officers, showed that the Hawker plane was 50.44 north latitude and 24.42 west longitude.

That, Capt. Suddery said he figured, would have placed the Sopwith at the time 750 knots off the Irish coast and about 810 knots from the Newfoundland coast. It was just after this message was received from the *Sammanger* that the weather change encountered by the *Glendevon* occurred, which explains the belief of the *Glendevon's* men that Hawker had flown out of the storm area before the worst of it broke. They said that at Hawker's altitude the wind could not have been blowing at less than between fifty and sixty miles an hour.

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STRONG WINDS HOLD NC-4 AT THE AZORES

Read's Flight to Lisbon Will Not Be Attempted Before To-morrow.

PLYMOUTH WAITS FLIERS

Lord Mayor Will Receive Them on Pier From Which Pilgrims Embarked.

By the Associated Press.

PONTA DELGADA, May 25.—There are no immediate signs of an impending lull in the unfavorable weather which has prevailed for thirty hours over the whole of the Lisbon course of the projected flight of the American navy seaplane NC-4. Therefore it is considered impossible to start on this leg of the journey to England before Tuesday, according to the weather experts.

Strong northwest winds, with clearing weather, but with occasional rain squalls, are predicted for to-night and Monday. The aviators have been obtaining a much needed rest during their delay in starting.

The NC-4 has been removed to an anchorage further inside the breakwater. She is being carefully guarded by a steam launch, which continually circles around her, while searchlights are played on the craft throughout the night as a precaution against a collision.

PLYMOUTH, England, May 24 (delayed).—The United States destroyer *Stockton* is expected to arrive here to-morrow with the crews of the naval seaplanes NC-1 and NC-4, which were forced to withdraw from the transatlantic flight. Commander John H. Towser will take charge of the naval personnel for the reception of the NC-4.

The Lord Mayor and Council have arranged to receive the crew of the NC-4 on the pier from which the *Pilgrims* embarked for America. Two Royal Air Force planes are coming to Plymouth to pilot the NC-4 into the harbor.

A two-days fete has been planned for the surviving entry in the flight.

The body already has been completed and the wings and outer parts are now being attached. The work is being carried out carefully and no details are being overlooked by the men in charge of the various parts. The radio wiring will be commenced as soon as the wings are in place. A large wind screen has been erected around the site selected for the canvas hangar, 120 feet long and 40 feet high, which is now on its way here aboard the steamship *Sachem*.

Four Men in the Crew.

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The transatlantic crew will consist of four men, pilot, navigator, wireless operator and observation officer. The pilot will be Major H. G. Brackley, D. S. O., D. S. C. He is 34 years old and when the war broke out was a student just beginning the journalistic course maintained by Reuters, the great English news syndicate. He volunteered for the war and received his pilot's certificate in 1915. He had his first flying in the Short machine and participated in the first night bombing of Bruges and Zebrugga. He received his Distinguished Service Order for his services in these raids.

His first command was the Seventh Naval Squadron; he was later assigned to the Fourteenth Army Squadron, and later, when the Royal Air Force was organized he was made a squadron commander. Under him he had many Americans, some of them pilots, and speaking of them to-day he said they were the finest kind of men, among whom he had many warm friends. He is an unassuming gentlemanly officer and has proved his willingness to communicate to the newspaper men here anything of public interest that he can give them.

His navigator will be Major Trygve Gran, a Norwegian, 30 years old. While a Lieutenant in the Norwegian Army he flew from Cruden Bay, Aberdeenshire, to Norway, carrying a copy of the *Daily Mail* to Queen Maude. He was the first pilot to complete successfully the North Sea flight. He served as a ski expert with Scott during the explorer's Arctic expedition.

Frederick Wyatt of the Marconi company, who is to be the wireless operator, is now on his way here on board the *Sachem*.

Other Craft Much Smaller.

Gasoline is considered the most important item in the load, as head winds (west) delay the flight once it is started, and all the fuel possible will be carried. Emergency food rations, including water and other drinks, will be carried to last seventy-two hours.

The Vickers Vimy assembling here can carry only 847 gallons of petrol; the Sopwith had a capacity of only 320 gallons, and the Martinsyde can carry only 307 gallons, with which she found it difficult to take off last Sunday. The comparison shows the great difference between the Handley Page and the other entrants for the contest here, and the Handley Page is apparently in favor of the Handley Page.

When the Handley Page starts from Harbor Grace she will be the best

PEEK MAKES NEW ATTACK ON HINES

Former Head of Industrial Board Charges Unfairness.

Special Dispatch to The Sun.

WASHINGTON, May 25.—The fight over steel price fixing had another chapter added to-day when George N. Peek, former Chairman of the Industrial Board, made a new attack on Walter D. Hines, Director-General of Railroads. According to Mr. Peek the Director-General used figures to support his side of the contention which were not entirely fair.

"The statement of the Director-General is perhaps misleading," said Mr. Peek. "In that he uses as a basis for his deduction the profit showing of the last three years when steel mills were crowded to capacity on account of war demands and during a considerable part of which period prices were fixed by the Government with the idea that production of capacity on account of war demands would be stimulated to the limit. If the Director-General desires to be fair," said Mr. Peek, "why does not he take selling prices for the pre-war period on rails for example and admit that to the pre-war period of rails, 10 a ton, there must be added approximately \$20 per ton on account of the increase in direct labor cost alone, exclusive of the increase in cost of labor in transportation? And further, why does he ignore the fact that since the signing of the armistice the price of steel has been reduced between 15 and 25 per cent?"

Mr. Hines's statement is misleading too, Mr. Peek asserted, because he failed to say that "the price at which he finally concludes to buy rails, \$47 per ton (the figure approved by the Industrial Board) represents the price of the best the Railroad Administration was able to secure for itself before the Industrial Board considered present costs of production."

To support this contention Mr. Peek quoted the stenographic record of the meeting between the Industrial Board and representatives of the Railroad Administration on April 5.

Mail Steamship Goes Aground.

ST. JOHN'S, N. F., May 25.—The coastal mail steamship *Glencoe* went aground to-day while entering Marytown harbor, on the west side of Placentia Bay. There were sixty passengers on board. The steamship was re-towed to-night.

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